Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/15/2021 08:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125116	0	1.21	125031	1.21
Blue	F	SSC	125000	123056	-2	2.37	123502	2.21
Blue	E	FITC	13131	12639	-4	2.20	291	15.11
Blue	D	PE	24112	23791	-2	1.64	546	10.55
Blue	B	PerCP-Cy5-5	31295	30413	-3	2.96	1004	14.39
Blue	A	PE-Cy7	19939	19772	-1	5.14	527	28.62
Red	C	APC	42122	41568	-2	2.92	1742	11.26
Red	A	APC-Cy7	22340	21575	-4	3.32	809	11.34
Violet	B	V450	7410	7063	-5	3.76	429	12.15
Violet	A	V500	28118	27128	-4	3.36	676	9.52

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23213	0.90	566	-3	N/A	N/A	Pass
Blue	F	SSC	57235	1.11	516	4	N/A	N/A	Pass
Blue	E	FITC	53	54.62	485	-2	0.0469	145	Pass
Blue	D	PE	114	36.61	488	0	0.4434	321	Pass
Blue	B	PerCP-Cy5-5	187	35.67	584	-2	0.0204	77	Pass
Blue	A	PE-Cy7	107	66.33	627	-1	0.0229	1	Pass
Red	C	APC	404	23.60	576	0	0.0287	180	Pass
Red	A	APC-Cy7	180	26.87	549	-2	0.0068	1083	Pass
Violet	B	V450	61	62.82	454	1	0.0788	3053	Pass
Violet	A	V500	99	33.98	466	1	0.0306	1175	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.03	-31.82	1.03
Blue	20.35	16.28 - 24.42	1.27	1.02 - 1.52	0.00	0.00	1.41
Red	16.98	13.60 - 20.40	N/A	N/A	30.35	30.47	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10976

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments